

**Notice of Allowability**

Application No.

09/925,792

Examiner

Ahshik Kim

Applicant(s)

EILERSEN, MICHAEL

Art Unit

2876

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6/28/05.
2. ☒ The allowed claim(s) is/are 14-16.
3. ☒ The drawings filed on 09 August 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 12/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

## DETAILED ACTION

### *Amendment*

1. Receipt is acknowledged of the amendment filed on June 28, 2005. In the amendment,  
5 claims 1-13 were canceled, and claims 14-16 were newly added.

### *Priority*

2. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers  
have been placed of record in the file.

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### *Examiner's Amendment*

3. An examiner's amendment to the record appears below. Should the changes and/or  
additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR  
1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the  
15 payment of the issue fee.

Authorization for this examiner's amendment was granted via email from Mr. Mark  
Began on August 4, 2005 (see attached Interview Summary). Examiner's amendment cancels  
claim 14 and newly adds claim 17.

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### IN THE CLAIMS

Claims 1-14 (Canceled)

15. (Previously Presented) A support for a cartridge provided with one or more electronically  
readable items of information carrying area, wherein the support is at least partially

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constituted by one or more electrically connecting supports, each comprising a number of closely spaced mutually electrically insulated conductors embedded in an electrically insulating material that stretches from one of the supporting surfaces of the cartridge to a contact area for receiving and transferring the information, when the cartridge is positioned in the support and wherein the cartridge has an axis of symmetry and the contact area comprises a group of identical and regularly spaced electrically conducting pad of width  $W_{cp}$  in the direction of adjacent pads, the adjacent pads being separated by an electrically insulating area of width  $D_{iacp}$  and the following relations between said distances are fulfilled:  $D_{iacp} > 2 * T_{il} + T_{cl}$ .

16. (Previously Presented) A support for a cartridge provided with one or more electronically readable items of information carrying area, wherein the support is at least partially constituted by one or more electrically connecting supports, each comprising a number of closely spaced mutually electrically insulated conductors embedded in an electrically insulating material that stretches from one of the supporting surfaces of the cartridge to a contact area for receiving and transferring the information, when the cartridge is positioned in the support, wherein the cartridge has an axial direction of symmetry and the cartridge is provided with a plurality of rectangular, essentially parallel, identically sized information carrying areas of height  $H_{ica}$  in the direction of the circumference of the axis of symmetry, the information carrying areas being spaced with equal mutual distance  $D_{ica}$  along the periphery of the cartridge in the direction of a circumference of the axis of symmetry and the supporting means comprising two rectangular, essentially parallel, identical electrically connecting supports of height  $H_{ctm}$  in the direction perpendicular to the axis of symmetry of the cartridge, separated by an electrically insulating volume of width  $D_{ctm}$  between the two electrically connecting supports and satisfying the following relationship between the distances:  $H_{ica} < D_{ctm} < 2 * H_{ica} + D_{ica}$ , and  $H_{ctm} < D_{ica} < 2 * H_{ctm} + D_{ctm}$ .

17. (New) A support for a cartridge with one or more electronically readable items of information carrying areas, wherein the support for the cartridge is at least partially constituted by one or more electrically connecting supports, each comprising a number of

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5 closely spaced mutually electrically insulated conductors embedding in an electrically insulating material that stretches from one supporting surfaces of the cartridge to a contact area for receiving and transferring the information, when the cartridge is position in the support and wherein each of the electrically connecting supports is constituted by alternating layers of electrically conducting material of maximum thickness  $T_{cl}$  and electrically insulating material of maximum thickness  $T_{il}$ , respectively.

*Allowable Subject matter*

10 3. Claims 15-17 are allowed.

4. The following is a statement of reasons for allowance: the claims are directed at an electronic marking of cartridges or similar containers. The cartridge includes an electronically readable item of information disposed in a first form and in a redundant form. The invention relates specifically to a support used with the cartridge mentioned above. The support member is  
15 comprised of a number of closely spaced mutually electrically insulated conductors embedded in an electrically insulating materials. The cartridges and the contact areas of the support member contact to transfer information. Such support member is not disclosed or suggested by the references cited in this Office Actions.

20 Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

*Conclusion*

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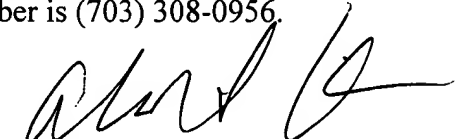
Any inquiry concerning this communication or earlier communications from the examiner should be directed to *Ahshik Kim* whose telephone number is (571)272-2393. The examiner can normally be reached between the hours of 6:00AM to 3:00PM Monday thru Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee, can be reached on (571)272-2398. The fax number directly to the Examiner is (571)273-2393. The fax phone number for this Group is (703)872-9306.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [ahshik.kim@uspto.gov].

*All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.*

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.



Ahshik Kim  
Primary Examiner  
Art Unit 2876  
August 4, 2005